

Analysis Model Migration Plan

- **Accessing the Mini**
- **Converting to the New (dual-read) Micro**
- **Producing the Skims**
- **Cleaning up the Tag**
- **Beta Development**



Accessing the Mini

- ◎ **Having a complete Mini is the biggest underlying change WRT the old model**
 - ◎ Resources must be split between Mini and Micro
- ◎ **Mini data will appear with the 12 series (~now!)**
 - ◎ Provide adequate resources for the (few) early people accessing the Mini
 - Allocate a reasonable staging space at Tier-A sites
 - Turn on HPSS staging for these databases
 - What should non-HPSS Tier-A sites do?
 - What should non-Objy (RAL) sites do?
- ◎ **Continue BetaMini development in the 12 series**
 - ◎ Efficiency improvements and bug fixes
 - ◎ Persistent Composites
- ◎ **BetaMini redesign in 13 + 14 series**
 - ◎ Make Beta work naturally with the Mini
- ◎ **Improve staging tools in 13+ 14 series**



New (Dual-Read) Micros

- ◎ **The main migration issue is to get people to accept using New Micro instead of ntuples**
 - ◎ Use Eric's MicroK implementation to make this transition
 - Some development is needed to make this production-quality
 - ◎ Save Full Micro information in AllEvents collection
- ◎ **Migrate with the 12 series data**
 - ◎ Convert the reprocessed data as it arrives
 - Keep both formats at first to test and compare
 - ◎ Set a date for switching the reprocessing to the new format
 - End of the year?
 - ◎ Discourage the generation of AWG ntuples on this data
 - Provide help converting macros to the new format
 - Reduce disk space available for this purpose
- ◎ **Refine the implementation in the 13 + 14 series**
 - ◎ Reduce the content of AllEvents (if necessary)
 - ◎ Base the persistence on a (Kanga) Reduced Mini?



Skims

- ◎ **Skims need more support in the New Model**
 - ◎ Core development to support AWG customization
 - ◎ Manpower to increase the skim frequency
 - ◎ Resources to hold deep copy skims
 - convert AWG 'ntuple' space ?
- ◎ **Convert 12 series reprocessing skims to New Micro format when that becomes available**
 - ◎ Objy skims are still needed for the Mini
- ◎ **Produce New Model skims early (March?) 2003**
 - ◎ Support deep copy or pointer copy
 - ◎ Support content reduction and customization
 - ◎ Support Mini or New Micro output
 - ◎ AWGs should validate the content and size of their skims
 - ◎ Code development in the 12 series?



Tag

- ◎ **New Model Tag is a subset of the existing tag**
 - ◎ Use the existing tag with 12 series data
- ◎ **Develop a reduced Tag in the 13 + 14 series**
 - ◎ Jim Smith is already collecting data on Tag usage
- ◎ **Encourage user migration by disabling functions in 12 series which will not be available in 13 + 14**
 - ◎ Annoying messages -> job abort



Beta Development

- ◎ **Not really a migration issue**
 - ◎ Affects performance, not functionality
 - ◎ New Model will not really ‘work’ without it
- ◎ **Core redesign effort should have high priority**
 - ◎ Leverage existing BetaMini redesign effort
 - ◎ Develop in 13 + 14 series
- ◎ **Organize AWGs to improve physics code**
 - ◎ Provide a profiling service (user provides code, gets profile)
 - ◎ Organize training for code optimization
 - ◎ Develop in 13 + 14 series

